

Rule 1.53(b) Continuation
of Serial No. 10/337,307

IN THE CLAIMS:

1. to 49. (Canceled)

50. (New) A wettability changing layer that is capable of charge-injection and/or charge-transfer, said layer being capable of changing wettability when light energy is applied thereto.

51. (New) The layer according to claim 50, wherein a light-unapplied part of the layer is water repellent, while a light-applied part of the layer is highly hydrophilic.

52. (New) The layer according to claim 50, which comprises at least a photocatalyst and a binder.

53. (New) The layer according to claim 52, wherein the photocatalyst is titanium dioxide.

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54. (New) The layer according to claim 52, wherein the binder is an organopolysiloxane obtained by hydrolyzing and polycondensing chlorosilane or alkoxysilane.

55. (New) The layer according to claim 52, wherein the binder is an organopolysiloxane obtained by crosslinking reactive silicones.

56. (New) The layer according to claim 50, which comprises a substance that facilitates the injection of a charge or the transfer of a charge.

57. (New) The layer according to claim 51, which comprises a substance that facilitates the injection of a charge or the transfer of a charge.

58. (New) The layer according to claim 52, which comprises a substance that facilitates the injection of a charge or the transfer of a charge.

59. (New) The layer according to claim 53, which comprises a substance that facilitates the injection of a charge or the transfer of a charge.

60. (New) The layer according to claim 54, which comprises a substance that facilitates the injection of a charge or the transfer of a charge.

61. (New) The layer according to claim 55, which comprises a substance that facilitates the injection of a charge or the transfer of a charge.

62. (New) The layer according to claim 56, which comprises a substance that facilitates the injection of a charge or the transfer of a charge.

63. (New) The layer according to claim 56, wherein the substance that facilitates the injection of a charge or the transfer of a charge is a metal salt.

64. (New) An electronics device comprising at least one layer according to claim 50.

65. (New) The electronics device according to claim 64, wherein one or more materials are formed patternwise corresponding to the pattern of wettability formed on the wettability changing layer.

66. (New) A process for producing an electronics device comprising the step of:

placing patternwise one or more materials corresponding to the highly hydrophilic parts formed on the wettability changing layer according to claim 50 by ink-jetting, dip coating, blade coating, printing or dispensing.

67. (New) A process for producing an electronics device comprising the steps of:

entire-surface coating the wettability changing layer according to claim 50 with one or more materials by ink-jetting,

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dip coating, blade coating, printing, dispensing or vacuum
deposition; and then

stripping the material or materials positioned on the highly
water repellent parts formed on the wettability changing layer.